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Road vehicles — Vehicles safety information model (VSIM)

*Véhicules routiers — Modèle d'information pour la sécurité des
véhicules (VSIM)*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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Introduction

The vehicle safety information model (VSIM) provides a standard model for the filing and exchange of vehicle safety test data.

Figure 1 shows the many forms of data that can be exchanged from vehicle safety testing. VSIM offers a flexible structure for the filing and exchange of data.

Exchange of

- Test Information
- Test Definition
- Dummy Information
- Sensor Information
- Test Analysis Data
- Image Analysis
- Film Analysis
- etc.

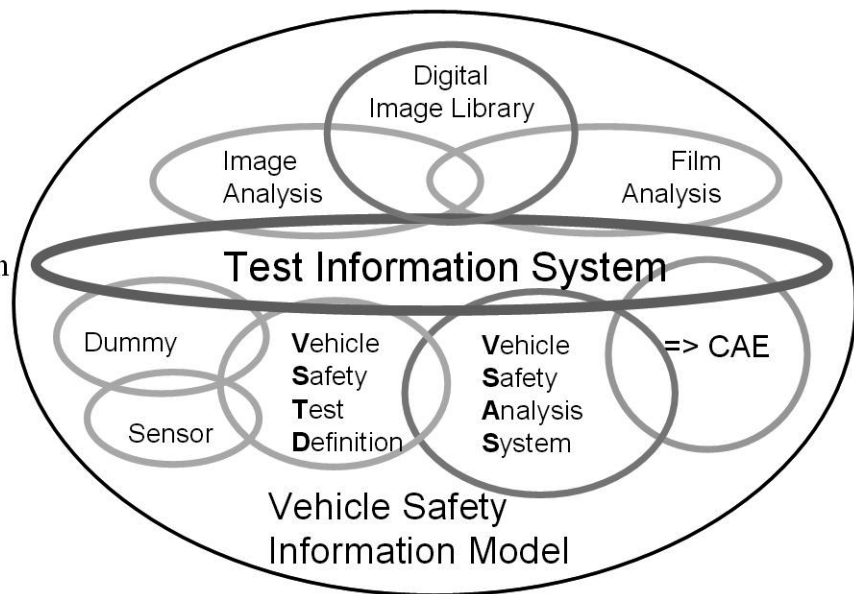


Figure 1 — Forms of data exchange

VSIM serves the already existing ASAM ODS (Association for Standardization of Automation and Measuring Systems Open Data Services) mechanisms. This provides the advantage that the data are available both in a database and a file system. In addition, the data can be exchanged in XML (eXtensible Markup Language) format.

ASAM ODS offers suitable structures for the filing of measurement data. As a result, multidimensional channels and discrete values can be continuously saved.

ASAM ODS offers one model for storing the data either in file or in database, and this method guarantees access to data even after a long period of time.

ASAM ODS is described in ISO/PAS 22720.

VSIM data exchange was developed from the following standards:

- ISO-MME (Multimedia exchange) (see ISO/TS 13499),
- ASAM ATF (ASAM Transport Format), and
- XML (ATF also available as ATF/XML).